

mata in the blood; they are more frequently met with in the blood of the females than of males.

These observations, in connexion with those of MM, Valentin* and Gluge†, place beyond doubt the existence of different species of animalcules in the blood of cold-blooded animals. Their peculiar form, and the motions with which they are endued, prove that these animalcules are peculiar to the blood, and not animalcules of some tissue, carried by chance into the current of the circulation; and a proof not less conclusive is, that they are never met with in any solid substance of the animal. The organs of the frogs in which they occur, examined attentively, exhibit no pathological lesion. These animals even present no symptoms whatever of any disease; and as it is ordinarily in the adults that they occur, their presence in the blood must be attributed to a peculiar and physiological state of the animals.—*Comptes Rendus*, No. 20 for Nov. 1843, p. 1138.

* M. Valentin discovered a peculiar Hæmatozoon in the blood of a *Salmo*, which he supposes to belong to the genus *Amoeba* of Ehrenberg.

† M. Gluge observed in the heart of a frog a peculiar animalcule with three lateral appendages. See 'Annals,' vol. x. p. 49, where are also detailed the observations of M. Vogt on *Filaria* in the blood of frogs. The author's paper on *Filaria* in the blood of a dog will be found at p. 403, vol. xi.—Ed.

METEOROLOGICAL OBSERVATIONS FOR DECEMBER 1843.

Chiswick.—December 1. Overcast: clear. 2. Frosty haze: very fine: hazy. 3. Hazy: cloudy and mild. 4. Drizzly. 5. Cloudy and fine. 6. Clear and fine. 7. Drizzly. 8. Very fine. 9. Foggy. 10. Foggy: fine. 11. Very fine. 12. Dense fog. 13. Foggy: hazy clouds. 14. Clear and fine. 15, 16. Fine, with clouds. 17. Slight haze: clear and fine: foggy. 18. Foggy. 19, 20. Hazy. 21. Overcast. 22. Very fine; thickly overcast. 23. Cloudy and mild. 24. Clear and fine. 25. Hazy: overcast. 26. Drizzly; foggy. 27. Hazy. 28. Cloudy and fine: hazy. 29. Hazy. 30. Overcast: rain. 31. Cloudy: squally with rain.—Mean temperature of the month 2·26° above the average.

Boston.—Dec. 1. Cloudy. 2. Fine. 3. Fine, beautiful halo round the moon eight o'clock P.M. 4. Fine. 5. Cloudy. 6. Fine. 7. Rain. 8. Fine. 9. Fine: rain P.M. 10. Foggy. 11, 12. Cloudy. 13. Foggy. 14. Fine. 15. Fine: rain early A.M. 16. Cloudy. 17. Fine. 18—20. Foggy. 21. Cloudy. 22—24. Fine. 25—28. Foggy. 29, 30. Cloudy. 31. Fine.—N.B. This is the driest month since February 1832.

Sandwich Manse, Orkney.—Dec. 1, 2. Cloudy. 3. Drizzle. 4. Fine. 5, 6. Heavy showers. 7. Rain: showers. 8. Showers: clear. 9. Cloudy. 10, 11. Cloudy: clear. 12. Clear. 13. Cloudy. 14. Cloudy; heavy showers. 15, 16. Showers. 17. Drizzle. 18. Showers. 19. Cloudy: fine. 20. Fine. 21. Fine: cloudy: fine. 22. Showers: fair: showers. 23. Showers: fair: damp. 24, 25. Clear: fair. 26. Damp: drizzle. 27. Clear: fine. 28. Clear. 29. Cloudy. 30. Rain: drizzle. 31. Showers: hail-showers.

Applegarth Manse, Dumfries-shire.—Dec. 1. Hoar frost. 2. Thick fog. 3—7. Showers. 8. Fair. 9. Fog and rain P.M. 10—13. Cloudy and rain. 14. Fair. 15. Slight shower. 16. Fair. 17. Fair and fine. 18. Fair though dull: shower P.M. 19. Fair. 20. Showery. 21. Fair, but thick fog. 22. Very wet and stormy. 23. Slight showers. 24. Slight showers A.M. 25. Showers. 26. Rain P.M. 27. Fair, but cloudy. 28. Slight showers. 29, 30. Fair. 31. Rain.

Mean temperature of the month	46°·4
Mean temperature of December 1842	46·05
Mean temperature of spring-water	46·1